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SHIMIZU PATENT OFFICE

NO. 5393 P. 2/2

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des brevetsDépartement à
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15. Sep. 2003

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Datum/Date

05 SEP 2003

Zeichen/Ref/Réf
F 2727 EPAnmeldung Nr/Application No/Demande n°/Patent Nr./Patent No./Brevet n°.
00911431.5Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire
Kansai Technology Licensing Organization Co., Ltd.

COMMUNICATION

The European Patent Office herewith transmits

- the European search report
- the declaration under Rule 45 EPC
- the partial European search report under Rule 45 EPC
- the supplementary European search report concerning the International application under Article 157(2) EPC relating to the above-mentioned European patent application. Copies of the documents cited in the search report are enclosed

The following specifications given by the applicant have been approved by the Search Division:

Abstract Title Figure

The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published with the abstract, since the Search Division considers that it better characterises the invention than the one indicated by the applicant.

Figure.

Additional copy(copies) of the documents cited in the European search report.

REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.



EPO Form 1507 02.93



European Patent
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SUPPLEMENTARY
EUROPEAN SEARCH REPORT

Application Number
EP 00 91 1431

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION. (Int.Cl.7)
X	WO 98 40494 A (INCYTE PHARMA INC ;BANDMAN OLGA (US); GOLI SURYA K (US)) 17 September 1998 (1998-09-17) sequence fig. 1A and B * the whole document *	1-10,25, 26	C12N15/55 C12N5/10 C12P21/08 C07K16/40 C12N9/78 A61K38/17 A61K39/395
X	DEMONTIS S ET AL: "Isolation and characterization of the gene coding for human cytidine deaminase" BIOCHIMICA ET BIOPHYSICA ACTA. GENE STRUCTURE AND EXPRESSION, ELSEVIER, AMSTERDAM, NL, vol. 1443, no. 3, 22 December 1998 (1998-12-22), pages 323-333, XP004275230 ISSN: 0167-4781 * the whole document *	1-5	
A	DATABASE EMBL [Online] 1 January 1997 (1997-01-01), XP002222729 Database accession no. AA178778 * abstract *		TECHNICAL FIELDS SEARCHED (Int.Cl.7)
A	VINCENZETTI SILVIA ET AL: "Recombinant human cytidine deaminase: Expression, purification, and characterization." PROTEIN EXPRESSION AND PURIFICATION, vol. 8, no. 2, 1996, pages 247-253, XP002222728 ISSN: 1046-5928 * the whole document *		C12N C12P C07K A61K

The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
4	Place of search	Date of completion of the search	Examiner
	The Hague	20 August 2003	Schneider, P.
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			



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SUPPLEMENTARY
EUROPEAN SEARCH REPORT

Application Number
EP 00 91 1431

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
L	DATABASE EMBL [Online] XP002251842 Database accession no. AAK81088, AAK81089 L document cited to provide information on the relevant sequences disclosed in W00157182 * the whole document * -& WO 01 57182 A (HUMAN GENOME SCIENCES, INC.) 9 August 2001 (2001-08-09) * page 1141 * * page 2227 *	11-13	

TECHNICAL FIELDS SEARCHED (Int.Cl.7)			
4	The supplementary search report has been based on the last set of claims valid and available at the start of the search.		
EPO FORM 1503 03/82 (PD4C04)	Place of search	Date of completion of the search	Examiner
	The Hague	20 August 2003	Schneider, P.
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
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Y : particularly relevant if combined with another document of the same category			
A : technological background			
O : non-written disclosure			
P : intermediate document			



European Patent
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LACK OF UNITY OF INVENTION
SHEET B

Application Number
EP 00 91 1431

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1(a), (b), (c), (e), (f), (g) to 10, 16 to 26

A mouse cytidine deaminase as defined by SEQ ID N0s:1 and 2 and related to said sequences fragments, an expression vector, a transformant, a method to produce said protein, an antibody, a cell producing an antibody, a method for identifying a substance that regulates transcription or production of said protein, a method for identifying an inhibitor of said protein, the use of the antibody or said protein to prepare a pharmaceutical composition and said pharmaceutical composition.

2. claims: 1(a), (b), (d), (e), (f), (h) to 26

Same as invention no. 1 but directed to the human sequence as defined by SEQ ID N0s: 7 and 8 and additionally genomic, exon and primer sequences as defined by SEQ ID N0s:9 to 15 and 18 to 35.

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 00 91 1431

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20-08-2003

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82